

***LineUp With Math™* Alignment**
Michigan Mathematics
Grade Level Content Expectations v.6.04

Strand: Number and Operations

Find equivalent ratios

Grade Level Content Expectation

N.ME.06.11 Find equivalent ratios by scaling up or scaling down.

***LineUp With Math™* Activities**

--Use an interactive simulator plus calculation worksheets to apply proportional reasoning to identify and resolve distance, rate, time conflicts in air traffic control.

Solve decimal, percentage and rational number problems

Grade Level Content Expectation

N.FL.06.12 Calculate part of a number given the percentage and the number.

***LineUp With Math™* Activities**

--Use percent relationships to resolve distance, rate, time conflicts in air traffic control.

N.FL.06.13 Solve word problems involving percentages in such contexts as sales taxes and tips, and involving positive rational numbers.

--Use percent relationships to resolve distance, rate, time conflicts in air traffic control.

Strand: Algebra

Calculate rates

Grade Level Content Expectation

A.PA.06.01 Solve applied problems involving rates including speed, e.g., if a car is going 50 mph, how far will it go in 3__ hours?

***LineUp With Math™* Activities**

--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.

--Identify and resolve distance, rate, time conflicts in air traffic control problems by varying plane speeds or changing plane routes.